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AMENDMENTS TO THE CLAIMS

- 1. (Currently Amended) A drug delivery device for animals, the device comprising:
 - a. at least two syringes at least a first syringe and a second syringe;
 - b. a plurality of disposable tubes;
 - at least one catheter placed into an animal and connected to each of the <u>first and</u>
 second at least two syringes by the plurality of disposable tubes;
 - d. at least one pinch valve, each pinch valve having a first position and a second position, wherein the second position receives one of the plurality of disposable tubes therethrough at a position located between the at least one catheter and one of the <u>first or second</u> at least two syringes connected by the at least one disposable tube for control of fluid therebetween without being in fluid communication with the fluid; [[and]]
 - e. at least a first and second fluid reservoir, wherein each of the first fluid reservoirs contains a first fluid and wherein the first fluid reservoir is connected attached to the first syringeone of the at least two syringes by one of the plurality of disposable tubes and wherein the second fluid reservoir contains a drug fluid and is connected attached to the second syringe another of the at least two syringes by one of the plurality of disposable tubes[]; and
 - f. a controller that is operably connected to the first and second syringes and operably connected to the at least one pinch valve, wherein the controller is capable of operating the first and second syringes and the at least one pinch valve to prime the at least one

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catheter, to flush the plurality of disposable tubes and/or the at least one catheter, and to

deliver the first fluid or drug to the animal.

2. (Currently Amended) The drug delivery device of claim 1, further comprising at least two a

first and second syringe pumps, wherein the first each of the at least two syringe pumps is

associated with one of the at least two first syringes and the second syringe pump is associated

with the second syringe, such that each of the first and secondat least two syringe pumps

operates each of the at least two first and second syringes independently of each other.

3. (Canceled).

4. (Currently Amended) The drug delivery device of claim 1, wherein the at least two syringes

comprise a first syringe, a second syringe and further comprising a third syringe.

5. (Currently Amended) The drug delivery device of claim 4, wherein the at least two-syringe

pumps comprise a first syringe pump operably connected to first syringe, a second syringe pump operably connected to the second-syringe and further comprising a third syringe pump operably

connected to the third syringe.

6. (Previously Presented) The drug delivery device of claim 5, further comprising a third fluid

reservoir.

7. (Previously Presented) The drug delivery device of claim 6, wherein the plurality of

disposable tubes comprises a first syringe inlet connecting the first fluid reservoir to the first

syringe, a second syringe inlet connecting the second fluid reservoir to the second syringe, a

third syringe inlet connecting the third reservoir to the third syringe, a first syringe outlet

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connected to the first syringe, a second syringe outlet connected to the second syringe, a third

syringe outlet connected to the third syringe, a connecting tube that connects the first and second

syringe outlets to the third syringe outlet and a system outlet that connects the connecting tube

and third syringe outlet to the at least one catheter.

8. (Original) The drug delivery device of claim 7, wherein the at least one catheter comprises a

catheter connected to the system outlet by a catheter outlet.

9. (Previously Presented) The drug delivery device of claim 8, wherein the at least one pinch

valve comprises a first pinch valve with its first position containing the first syringe inlet and its

second position containing the first syringe outlet, a second pinch valve with its first position

containing the second syringe inlet and its second position containing the second syringe outlet, a

third pinch valve with its first position containing the third syringe inlet and its second position

containing the third syringe outlet, and a fourth pinch valve with its first position containing the

catheter outlet.

10. (Previously Presented) The drug delivery device of claim 9, further comprising a waste

outlet that is connected to the system outlet and that is contained by the second position of the

fourth pinch valve, so that when the first position of the fourth pinch valve is open, the second

position of the fourth pinch valve is closed and fluid is allowed to pass between the system outlet

and the catheter outlet, and when the second position of the fourth pinch valve is open, the first

position of the fourth valve is closed and fluid is allowed to pass between the system outlet and

the waste outlet.

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11. (Currently Amended) The drug delivery device of claim 10, further comprising a wherein

the controller that is operably connected to the first, second, and third syringe pumps and that is

operably connected to the first, second, third, and fourth pinch valves, such that the controller

automatically controls the movement of the first, second, and third syringe pumps and controls

the movement of the first and second positions of each of the first, second, third, and fourth

pinch valves.

12.-15. (Canceled).

16. (Previously Presented) The drug delivery device of claim 5, wherein the first fluid reservoir

contains a drug.

17. (Currently Amended) The drug delivery device of claim 5, wherein the second first fluid

reservoir contains a saline solution.

18.-42. (Canceled).

43. (Currently Amended) A drug delivery device for animals comprising a housing that holds:

a. at least a first, second and third tube connector;

b. at least a first and second syringe inlet tube, each with a first end and a second end.

wherein the second end of the first syringe inlet tube is connected to the first tube

connector and the second end of the second syringe inlet tube is connected to the second

tube connector;

c. at least a first and second syringe, the first and second syringes being connected to the

first and second tube connector, respectively;

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d. at least a first and second syringe outlet tube, each with a first end and a second end,

wherein the first end of the first syringe outlet tube is connected to the first tube

connecter and the second end of the first syringe outlet tube is connected to the third tube

connector and wherein the first end of the second syringe outlet tube is connected to the

second tube connector and the second end of the second syringe outlet tube is connected

to the third tube connector:

[[d]] e. at least a first and second fluid reservoir wherein the first fluid reservoir is

connected to the first end of the first syringe inlet tube and the second first fluid reservoir

is connected to the first end of the second syringe inlet tube;

[[e]] f. at least one catheter placed into an animal;

[[f]] g. a system outlet tube with a first end and a second end, wherein the first end of

the system outlet tube is connected to the catheter and the second end of the outlet tube is

connected to the third tube connector; [[and]]

[[g]] h. at least a first and second pinch valve, the first pinch valve having a first

positionportion through which the first syringe inlet tube passes and a second position

through which the first syringe outlet tube passes and the second pinch valve having a

first position through which the second syringe inlet tube passes and a second position

which the second syringe outlet tube passes, wherein in each of the first and second pinch

valves only one of the first or second position opens while the other position remains

closed, without being in communication with the fluid, in order to control fluid passing

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through the syringe inlet tubes, the syringe outlet tubes, the system outlet tube and the

catheter [[.]]; and

i. electronic circuitry that controls the opening and closing of the first and second

positions of each of the first and second valves, such that the electronic circuitry operates

to prime the at least one catheter, flush the system outlet tube and/or the at least one

catheter and deliver fluid to the animal.

44. (Previously Presented) The drug delivery device of claim 43 wherein the first and second

syringe inlet tubes, the first and second syringe outlet tubes, and the system outlet tubes are all

disposable tubes.

45. (Canceled).

46. (Previously Presented) The drug delivery device of claim 43 further comprising a fourth tube

connector connected to the first end of the system outlet, a waste tube with a first end and a

second end, wherein the first end is connected to the fourth tube connector, and a catheter inlet

tube with a first end connected to the fourth tube connector and the second end connected to the

catheter.

47. (Previously Presented) The drug delivery device of claim 46 further comprising a third

pinch valve with a first position through which the catheter inlet tube passes and a second

position through which the waste tube passes, wherein only one of the first or second position

opens while the other position remains closed in order to allow fluid to either pass through the

waste tube or catheter inlet tube.